

ABSTRACT

A subject of the invention is a selective process for the preparation of derivatives of benzothiazole-4,7-diones and benzoxazole-4,7-diones monosubstituted in position 5 or in position 6 by an amino group itself optionally substituted. Said derivatives are inhibitors of the Cdc25 phosphatases and can be used for preparing medicaments intended to treat cancer.

The invention also offers synthesis intermediates which are useful in implementing the process of the invention.

The invention also relates in particular to the following derivatives of benzothiazole-4,7-diones:

- 2-(2-chloro-6-fluorophenyl)-5- {[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;

- 2-(2-chloro-6-fluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione.